

**Montana Department  
of  
Fish, Wildlife & Parks**



1400 So. 19th  
Bozeman, MT 59715

June 2, 1993

**TO:** Environmental Quality Council, Capitol Building, Helena, MT 59620  
Dept. of Health & Environmental Sciences, Director's Office  
Dept. of Fish, Wildlife & Parks

Director's Office  
Parks Division  
Fisheries Division  
Wildlife Division  
Regional Supervisor  
Lands Section  
Design and Construction  
Legal Unit  
Mary Ellen McDonald (when LWCF)

STATE DOCUMENTS COLLECTION

AUG 4 1993

MONTANA STATE LIBRARY  
1515 E. 6th AVE.  
HELENA, MONTANA 59620

Montana Historical Society, State Historic Preservation Office, POB 201202, Helena, MT 59620-1202

Montana State Library, 1515 E. Sixth Ave., POB 201800, Helena, MT 59620-1800  
Jim Jensen, Montana Environmental Information Center, POB 1184, Helena, MT 59624  
Janet Ellis, Montana Audubon Council, POB 924, Helena, MT 59624  
George Ochenski, POB 689, Helena, MT 59624

Gallatin County Commissioners, Gallatin County Courthouse, 311 W. Main, Room 301, Bozeman, MT 59715

Jim Wysoki, Bozeman City Manager, City of Bozeman, POB 640, Bozeman, MT 59715  
Jerry DiMarco, 2708 W. Mendenhall, Bozeman, MT 59715

Ladies and Gentlemen:

The enclosed Environmental Assessment (EA) has been prepared for Bridger Creek Subdivision Sanitary Sewer proposal, and is submitted for your consideration. Questions and comments will be accepted until 5 p.m., July 9, 1993. If you have questions, feel free to contact me at 994-3552. All comments may be sent to the undersigned.

Thank you for your interest.

Sincerely,

Robert R. Martinka  
Regional Supervisor

PLEASE RETURN



CHECKLIST INSTRUCTIONSP ENVIRONMENTAL REVIEW

1. Evaluation of the Impacts of the Proposed Action Including Secondary and Cumulative Impacts on the Physical and Human Environment. Complete the following checklist, adding comments or narrative as necessary.

The checklist has been modified to include several additional issues that need to be addressed whenever proposed projects will receive Federal Aid in Wildlife Restoration (Pittman-Robertson or P-R) or Federal Aid in Sport Fish Restoration (Dingell-Johnson, as expanded by Wallop-Breaux or D-J) funds. So as to comply with National Environmental Policy Act (NEPA) requirements for federally-funded projects - in addition to the Montana Environmental Policy Act (MEPA) - several additional issues require evaluation in the checklist. For P-R or D-J projects:

◆ Indicates the need to determine whether the described impact may result, and respond on the checklist. Describe any minor or potentially significant impacts.

◆◆ Indicates the need to include a discussion about that issue in the EA narrative and attach documentation when indicated.

2. Evaluation of improvements or development projects that significantly change park or fishing access site features or use patterns. Complete the following checklist, adding narrative comments as necessary.

► Indicates the need to include a narrative description addressing the items identified in 12.8.604 (ARM)

PART III. NARRATIVE EVALUATION AND COMMENT

Part III provides the space to expand and supplement the checklist with MEPA narrative discussion when other than "no impact", etc.

# DRAFT

## MEPA/NEPA/HB495 CHECKLIST

### PART I. PROPOSED ACTION DESCRIPTION

1. Type of Proposed State Action Approve/execute sanitary sewer easements. (See attached plat and description) (See
2. Agency Authority for the Proposed Action Montana Dept. of Fish, Wildlife & Parks
3. Name of Project Bridger Creek Subdivision Sanitary Sewer (MDHES ES93-75)
4. Name, Address and Phone Number of Project Sponsor (if other than the agency)  
Golf Course Partners, Inc. The easement would be granted  
Rex Easton, President to the City of Bozeman  
9315 Cougar Drive  
5. If Applicable: Bozeman, MT 59715  
  
Estimated Construction/Commencement Date 8/1/93  
Estimated Completion Date 9/15/93  
Current Status of Project Design (% complete) 98%
6. Location Affected by Proposed Action (county, range and township)  
a. A portion of TRACT 4, COS 1498 located in the NE $\frac{1}{4}$  S.36, T.1 S. R.5E.  
b. A portion of TRACT GL3, COS 121 located in the NW $\frac{1}{4}$  S.31, T.1S. R.6E
7. Project Size: Estimate the number of acres that would be directly affected that are currently: Total acreage in easements: 1.11 acres
  - (a) Developed:  
residential ..... 0 acres  
industrial ..... 0 acres
  - (b) Open Space/Woodlands/  
Recreation ..... 0.81 acres
  - (c) Wetlands/Riparian  
Areas ..... 0.30 acres
  - (d) Floodplain ..... 0 acres
  - (e) Productive:  
irrigated cropland ..... 0 acres  
dry cropland ..... 0 acres  
forestry ..... 0 acres  
rangeland ..... 0 acres  
other ..... 0 acres
8. Map/site plan: attach an original 8 1/2" x 11" or larger section of the most recent USGS 7.5' series topographic map showing the location and boundaries of the area that would be affected by the proposed action. A different map scale may be substituted if more appropriate or if required by agency rule. If available, a site plan should also be attached.

9. Narrative Summary of the Proposed Action or Project Including the Benefits and Purpose of the Proposed Action.

See "9" (below)

10. Listing of any other Local, State or Federal agency that has overlapping or additional jurisdiction.

(a) Permits:

<u>Agency Name</u>	<u>Permit</u>	<u>Date Filed/#</u>	
Montana Dept. of Transportation	Occupancy Permit Hwy. 10	4/19/93	(verbal approval secured)
Gallatin County Road Office	Encroachment Permit	5/24/93	(verbal approval secured)
Soil Conservation Service	310 Permit	5/25/93	(Approved)

(b) Funding:

<u>Agency Name</u>	<u>Funding Amount</u>
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(c) Other Overlapping or Additional Jurisdictional Responsibilities:

<u>Agency Name</u>	<u>Type of Responsibility</u>
City of Bozeman	Approve Contract Documents
Montana Dept. of Health & Environmental Science	Approve Contract Documents

11. List of Agencies Consulted During Preparation of the EA:

FW&P  
City of Bozeman  
MDOT

"9"

The project consists of constructing 2378 lineal feet of 15-inch and 2210 lineal feet of feet of 12-inch sanitary sewer main and appurtenances within a 30-foot easement. The sanitary sewer extension shall run from East to West beginning at State Hwy 10 crossing two separate FW&P parcels, Manley Road and the East Gallatin River terminating at the future site of a residential development. Project shall serve an area that is unsuitable for individual sewage disposal system due to high groundwater and poorly drained soils mitigating impacts to ground and surface water. Long term impact to vegetation and surface features along path of easement will be minimal.

## PHYSICAL ENVIRONMENT

1. LAND RESOURCES	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
Will the proposed action result in:						
▶ a. Soil instability or changes in geologic substructure?		X				
b. Disruption, displacement, erosion, compaction, moisture loss, or over-covering of soil which would reduce productivity or fertility?		X				
▶ c. Destruction, covering or modification of any unique geologic or physical features?		X				
d. Changes in siltation, deposition or erosion patterns that may modify the channel of a river or stream or the bed or shore of a lake?		X				
e. Exposure of people or property to earthquakes, landslides, ground failure, or other natural hazards?		X				
f. Other _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

## PHYSICAL ENVIRONMENT

2. AIR	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
Will the proposed action result in:						
▶ a. Emission of air pollutants or deterioration of ambient air quality? (also see 13 (c))		X				
b. Creation of objectionable odors?		X				
c. Alteration of air movement, moisture, or temperature patterns or any change in climate, either locally or regionally?		X				
d. Adverse effects on vegetation, including crops, due to increased emissions of pollutants?		X				
e. * For P-R/D-J projects, will the project result in any discharge which will conflict with federal or state air quality regs? (Also see 2e)		X				
f. Other _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Air Resources (Attach additional pages of narrative if needed):

- Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- ▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- + Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- + + Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

## 3. WATER

Will the proposed action result in:	IMPACT <sup>a</sup>				Can Impact Be Mitigated <sup>b</sup>	Confident Index
	Unknown <sup>c</sup>	None	Minor <sup>c</sup>	Potentially Significant		
a. Discharge into surface water or any alteration of surface water quality including but not limited to temperature, dissolved oxygen or turbidity?		X				
b. Changes in drainage patterns or the rate and amount of surface runoff?		X				
c. Alteration of the course or magnitude of flood water or other flows?		X				
d. Changes in the amount of surface water in any water body or creation of a new water body?		X				
e. Exposure of people or property to water related hazards such as flooding?		X				
f. Changes in the quality of groundwater?		X				
g. Changes in the quantity of groundwater?			X		Yes	
h. Increase in risk of contamination of surface or groundwater?		X				
i. Effects on any existing water right or reservation?		X				
j. Effects on other water users as a result of any alteration in surface or groundwater quality?		X				
k. Effects on other users as a result of any alteration in surface or groundwater quantity?		X				
l. <sup>+</sup> For P-R/D-J, will the project affect a designated floodplain? (Also see 3e)		X				
<sup>+</sup> For P-R/D-J, will the project result in any discharge that will affect federal or state water quality regulations? (Also see 3e)		X				
n. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Water Resources (Attach additional pages of narrative if needed):

The following mitigation measure is proposed to prevent the loss of water dedicated to the wildlife ponds on Tract 4, C.O.S. 1498.

Betonite clay barriers around the sewer shall be installed on both sides of the open ditch and at a distance of 50 feet upstream of the crossing to prevent the loss of the groundwater into the sewer trench.

- ☐ Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- Include a narrative description addressing the items identified in 12.8.604-1e (ARM)
- Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

4. <u>VEGETATION</u>	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
Will the proposed action result in:			X		Yes	4a
a. Changes in the diversity, productivity or abundance of plant species (including trees, shrubs, grass, crops, and aquatic plants)?			X			
b. Alteration of a plant community?		X				
c. Adverse effects on any unique, rare, threatened, or endangered species?		X				
d. Reduction in acreage or productivity of any agricultural land?		X				
e. Establishment or spread of noxious weeds?			X		Yes	4b
f. ♦ ♦ For P-R(D)-J, will the project affect wetlands, or prime and unique farmland?		X				
g. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

- 4a. Some minor native shrubs may be removed during the course of installing and maintaining the sewer easement and appurtenances. Vegetation shall be allowed within the easement that does not impair the operation of or maintenance of the subject installation.
- 4c. All disturbed areas shall be carefully groomed to original lines and grades and reseeded with natural vegetation as required.

- Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- × Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- ♦ ♦ Include a discussion on the issue in the EA narrative and include documentation if it will be useful.



**5. FISH/WILDLIFE**

Will the proposed action result in:	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
a. Deterioration of critical fish or wildlife habitat?		X				
b. Changes in the diversity or abundance of game animals or species?		X				
c. Changes in the diversity or abundance of nongame species?		X				
d. Introduction of new species into an area?		X				
e. Creation of a barrier to the migration or movement of animals?		X				
f. Adverse effects on any unique, rare, threatened, or endangered species?		X				
g. Increase in conditions that stress wildlife populations or limit abundance (including harassment, legal or illegal harvest or other human activity)?		X				
h. <sup>+</sup> <sup>+</sup> For P-R/D-J, will the project be performed in any area in which T&E species are present, and will the project affect any T&E species or their habitat? (Also see 5f)		X				
i. <sup>+</sup> <sup>+</sup> For P-R/D-J, will the project introduce or export any species not presently or historically occurring in the receiving location? (Also see 5d)		X				
j. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

**6. NOISE/ELECTRICAL EFFECTS**

Will the proposed action result in:	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
a. Increases in existing noise levels?		X				
b. Exposure of people to serve or nuisance noise levels?		X				
c. Creation of electrostatic or electromagnetic effects that could be detrimental to human health or property?		X				
d. Interference with radio or television reception and operation?		X				
e. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

- Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- ▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- ♦♦ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

HUMAN ENVIRONMENT

7. LAND USE	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Will the proposed action result in:	Unknown <sup>□</sup>	None	Minor <sup>□</sup>		
a. Alteration of or interference with the productivity or profitability of the existing land use of an area?		X				
b. Conflicted with a designated natural area or area of unusual scientific or educational importance?		X				
c. Conflict with any existing land use whose presence would constrain or potentially prohibit the proposed action?		X				
d. Adverse effects on or relocation of residences?		X				
e. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

HUMAN ENVIRONMENT

3. RISK/HEALTH HAZARDS	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Will the proposed action result in:	Unknown <sup>□</sup>	None	Minor <sup>□</sup>		
a. Risk of an explosion or release of hazardous substances (including, but not limited to oil, pesticides, chemicals, or radiation) in the event of an accident or other forms of disruption?		X				
b. Affect an existing emergency response or emergency evacuation plan or create a need for a new plan?		X				
c. Creation of any human health hazard or potential hazard?		X				
d. <sup>+</sup> For P-R/D-J, will any chemical toxicants be used? (Also see 8a)		X				
e. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

- Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- ▶ Include a narrative description addressing the items identified in 12.8.604-1e (ARM)
- ◆ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- ◆◆ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

9. COMMUNITY IMPACT

Will the proposed action result in:	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
a. Alteration of the location, distribution, density, or growth rate of the human population of an area?			X		Yes	
b. Alteration of the social structure of a community?			X		Yes	
c. Alteration of the level or distribution of employment or community or personal income?			X		Yes	
d. Changes in industrial or commercial activity?			X		Yes	
e. Increased traffic hazards or effects on existing transportation facilities or patterns of movement of people and goods?			X		Yes	
f. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed): Project will result in the development approx. 105 acres out of a total of 280 acres (62% open space) for residential use with some neighborhood, commercial & light industrial. Development is not contiguous with the proposed sewer easements. Mitigations have been addressed in HUMAN ENVIRONMENT annexation and subdivision reviews.

Will the proposed action result in:	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
a. Will the proposed action have an effect upon or result in a need for new or altered governmental services in any of the following areas: fire or police protection, schools, parks/recreational facilities, roads, other public maintenance, water supply, sewer or public systems, solid waste disposal, health, or other governmental services? If any, specify: <u>All</u>			X		Yes	
b. Will the proposed action have an effect upon the local or state tax base and revenues?			X		Yes	
c. Will the proposed action result in a need for new facilities or substantial alterations of any of the following utilities: electric power, natural gas, other fuel supply or distribution systems, or communications?			X		Yes	
d. Will the proposed action result in increased used of any energy source?			X		Yes	
▶ e. Define projected revenue sources			X		Yes	
▶ f. Define projected maintenance costs.			X		Yes	
g. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed): The sewer extension is proposed to serve a residential-neighborhood commercial-light industrial development. Mitigation measures have been adequately addressed through the City of Bozeman review process.

- Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- ▶ Include a narrative description addressing the items identified in 12.8.604-1e (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- † Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

HUMAN ENVIRONMENT▶ 11. AESTHETICS/RECREATION

Will the proposed action result in:

	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
a. Alteration of any scenic vista or creation of an aesthetically offensive site or effect that is open to public view?		X				
b. Alteration of the aesthetic character of a community or neighborhood?		X				
▶ c. Alteration of the quality or quantity of recreational/tourism opportunities and settings? (Attach Tourism Report)	X					
d. ♦ For P-R/D-J, will any designated or proposed wild or scenic rivers, trails or wilderness areas be impacted? (Also see 11a, 11c)		X				
e. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

An 18-hole golf course is proposed as part of the aforementioned development and again it does not occur on the properties directly affected by the sewer easement.

HUMAN ENVIRONMENT12. CULTURAL/HISTORICAL RESOURCES

Will the proposed action result in:

	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
▶ a. Destruction or alteration of any site, structure or object of prehistoric historic, or paleontological importance?		X				
b. Physical change that would affect unique cultural values?		X				
c. Effects on existing religious or sacred uses of a site or area?		X				
d. ♦ ♦ For P-R/D-J, will the project affect historic or cultural resources? Attach SHPO letter of clearance. (Also see 12.e)		X				
e. Other: _____						

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

- Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- ▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- ♦ ♦ Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

## 13. SUMMARY EVALUATION OF SIGNIFICANCE

Will the proposed action, considered as a whole:

	IMPACT <sup>□</sup>				Can Impact Be Mitigated <sup>□</sup>	Comment Index
	Unknown <sup>□</sup>	None	Minor <sup>□</sup>	Potentially Significant		
a. Involve impacts that are individually limited, but cumulatively considerable? (A project or program may result in impacts on two or more separate resources which create a significant effect when considered together or in total.)		X				
b. Involve potential risks or adverse effects which are uncertain but extremely hazardous if they were to occur?		X				
c. Potentially conflict with the substantive requirements of any local, state, or federal law, regulation, standard or formal plan?		X				
d. Establish a precedent or likelihood that future actions with significant environmental impacts will be proposed?		X				
e. Generate substantial debate or controversy about the nature of the impacts that would be created?		X				
f. <sup>+</sup> For P-R/D-J, is the project expected to have organized opposition or generate substantial public controversy? (Also see 13e)		X				
g. <sup>+</sup> For P-R/D-J, list any federal or state permits required.		X				

Narrative Description and Evaluation of the Cumulative and Secondary Effects on Land Resources (Attach additional pages of narrative if needed):

- Include a narrative explanation under Part III describing the scope and level of impact. If the impact is unknown, explain why the unknown impact has not or can not be evaluated.
- ▶ Include a narrative description addressing the items identified in 12.8.604-1a (ARM)
- ♦ Determine whether the described impact may result and respond on the checklist. Describe any minor or potentially significant impacts.
- Include a discussion about the issue in the EA narrative and include documentation if it will be useful.

Description and analysis of reasonable alternatives (including the no action alternative) to the proposed action whenever alternatives are reasonably available and prudent to consider and a discussion of how the alternatives would be implemented:

See #2 Below

Evaluation and listing of mitigation, stipulation, or other control measures enforceable by the agency or another government agency: The Annexation Agreement and approved Preliminary Plat for Bridger Creek Subdivision are subject to the "Conditions of Approval" which the Developer must adhere too.

4. Based on the significance criteria evaluated in this EA, is an EIS required? YES / NO If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action: No

No significant environment impacts identified by this document.

5. Describe the level of public involvement for this project if any and, given the complexity and the seriousness of the environmental issues associated with the proposed action, is the level of public involvement appropriate under the circumstances? No public involvement required

6. Duration of comment period if any: Unknown

7. Name, title, address and phone number of the Person(s) Responsible for Preparing the EA:

Morrison-Maierle/CSSA  
P.O. Box 1113  
Bozeman, MT 59771-1113 587-0721

Prepared by: Keith Belden, P.E.  
Reviewed by: Jack Schunke, P.E.

#2

There are 3 courses of action: (a) no action, (b) develop 20-acre parcels with individual sewage disposal systems and (c) this project. Option (a) has unknown individual and community wide economic impacts. Option (b) proposes development at very low densities within the urban area of Bozeman. Option (c) encourages development at urban densities within the urban area in conformance with the City of Bozeman Master Plan.

### PART III. NARRATIVE EVALUATION AND COMMENT

This sewer extension across FW&P lands and intervening agricultural parcels will result in the least disturbance to the environment when contrasted with the use of individual sewage disposal systems. The "no action" alternative will have unknown economic-environmental consequences requiring a circuitous route and possibility of sewage pumping station to reach the City of Bozeman collection system.



MEPA/HB 495 CROSS REFERENCE SUMMARY

Most of the specific items to be addressed under MEPA and HB 495 laws are closely related. The MEPA/HB 495 Checklist Format will accommodate both requirements under one document.

Refer to the MEPA/HB 495 Checklist Format, Part II - Environmental Review - an evaluation of the impacts of the proposed action on the physical and human environment.

CROSS REFERENCE TABLE

<u>Requirements of HB 495</u>	<u>Location in EA Checklist</u>
12.8.604 (ARM) (1) (a) Capacity for Development Soil Water Terrain Natural features  Aesthetics	1.a. Land Resources 3.a. Water 1.c. Land Resources 5. Fish & Wildlife (consult with Wildlife biologist) 11. Aesthetics/Recreation
(b) Physical & Human Environment	Part II of MEPA document
(c) Compliance with MEPA	MEPA document
(d) Projected Operations and Maintenance Costs	10.e & f. Public Services, Taxes/Utilities
(e) Cultural & Historic Preservation	12.a. Cultural/Historical Resources (Reference SHPO document)
(f) Impacts on Tourism	11.c. Community Impacts
(g) Long-range Planning	No correlation - describe under Part III how the improvement or development conforms to SCORP, FWP Five Year Goals, and current Park Management Plans.
(h) Public Input	No correlation - follow 12.8.605 (ARM), provide documentation under Part III.
(i) Site Specific Modifications as They Relate to the Entire System	No correlation - Under Part III describe how you considered the impacts of the improvement or development on the entire system.

The "Part III. NARRATIVE EVALUATION AND COMMENT" of the MEPA/HB 495 Checklist Format provides the space to expand and supplement the checklist with MEPA narrative discussions when other than "no impacts" occur. Also, Part III provides the space for the HB 495 narrative discussion addressing the items listed under 12.8.604 (1) (ARM). Refer to the Cross Reference Table which identifies the MEPA location under which the HB 495 issues correlate.



PROJECT QUALIFICATION CHECKLIST  
HB 495

Date 5/25/93 Person Reviewing \_\_\_\_\_

Project Location: NE $\frac{1}{4}$  S.36, T.1S. R.5E.  
NW $\frac{1}{4}$  S.31, T.1S. R.6E

DESCRIPTION OF PROPOSED WORK: Proposed sanitary sewer extension with  
appurtenant 30-foot wide easement.

The following checklist is intended to be a guide for determining whether a proposed development or improvement is of enough significance to fall under HB 495 rules. (Please check  all that apply and comment as necessary.) Capital Construction projects - Prepared by D & C; Force Account Projects - Prepared by Region.

A. New roadway or trail built over undisturbed land?  
Comments: Sewer to be constructed across undisturbed land; access easement to  
remain in natural state yet permit maintenance visits to sewer main.

B. New building construction (buildings < 100 sf and vault latrines exempt)?  
Comments: N/A

C. Any excavation of 20 c.y. or greater?  
Comments: Yes; excavation, backfill and compaction of sanitary sewer main.

D. New parking lots built over undisturbed land or expansion of existing lot that increases parking capacity by 25% or more?  
Comments: N/A

E. Any new shoreline alteration that exceeds a double wide boat ramp or handicapped fishing station?  
Comments: N/A

F. Any new construction into lakes, reservoirs, or streams?

Comments: Stream crossing of East Gallatin River; "310 Permit" has been applied  
for and approved.

G. Any new construction in an area with National Registry  
quality cultural artifacts (as determined by State  
Historical Preservation Office)?

Comments: N/A

H. Any new above ground utility lines?

Comments: N/A

I. Any increase or decrease in campsites of 25% or more of  
an existing number of campsites?

Comments: N/A

J. Proposed project significantly changes the existing  
features or use pattern; including effects of a series of  
individual projects.

Comments: N/A

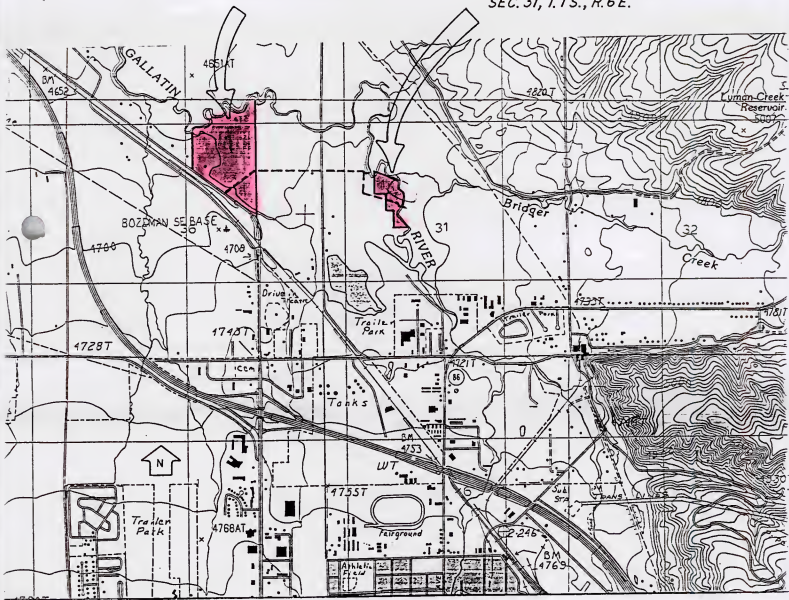
IF ANY OF THE ABOVE ARE CHECKED, HB 495 RULES APPLY TO THIS  
PROPOSED WORK AND SHOULD BE DOCUMENTED ON THE MBEPA/HP495 CHECKLIST.  
Refer to MFEA/HP495 Cross Reference Summary for further assistance.

cc: Park Managers, Region \_\_\_\_\_  
Kevin Redmond  
Mary Ellen McDonald  
Project File

# SEWER EASEMENTS

TRACT A, C.O.S. 1498  
SEC. 36, T. 1 S., R. 5 E.

TRACT GL 3, C.O.S. 1221  
SEC. 31, T. 1 S., R. 6 E.



2000 1500 1000 500 0 2000



SCALE: 1"=2000'  
CONTOUR INTERVAL 20'

DATE: MAY 1993  
JOB NO. 2089.002  
PREPARED BY: MORRISON-MAIERLE

